

31. A method as recited in Claim 30, further comprising:  
repeating said drawing, flowing, maintaining, infusing and utilizing steps a plurality of times while maintaining said interconnection between said flush solution source and said syringe.

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32. A method as recited in Claim 31, wherein between successive ones of said plurality of time, the method further comprises:  
disconnecting said syringe and said vascular catheter; and,  
reestablishing said interconnection between said syringe and said vascular catheter.

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33. A method as recited in Claim 31, wherein said repeating step is completed while maintaining said interconnection between a source of said liquid medication and said vascular catheter.

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34. A method as recited in Claim 26, wherein said syringe is directly interconnected to a valve, and wherein said establishing step further comprises:  
interconnecting said flush solution source to a first inlet port of a valve, said source of said liquid medication to a second inlet port of said valve, and said vascular catheter to an outlet port of said valve.

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35. A method as recited in Claim 34, wherein said vascular catheter and said syringe are at least partially interconnected by a tubing line, and wherein said flowing, and utilizing infusing steps are each completed utilizing the tubing line.

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36. A method as recited in Claim 34, further comprising:  
repeating said drawing, flowing, maintaining, infusing and utilizing steps a plurality of times while maintaining said interconnection between said flush solution source and said first inlet port of said valve.

37. A method as recited in Claim 36, wherein between successive ones of said plurality of times, the method further comprises:

disconnecting said syringe and said vascular catheter; and,  
reestablishing said interconnection between said syringe and said vascular catheter.

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38. A method as recited in Claim 34, repeating said drawing, flowing, maintaining, infusing and utilizing steps a plurality of times while maintaining said interconnection between said flush solution source and said first inlet port of said valve and said interconnection between said source of said liquid medication and said second inlet port of said valve.

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39. A method as recited in Claim 34, wherein said drawing step comprises:  
controlling said valve to selectively establish a first flow path therethrough between said first inlet port and syringe.

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40. A method as recited in Claim 39, wherein said flowing step comprises:  
controlling said valve to selectively establish a second flow path therethrough between said syringe and said outlet port.

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41. A method as recited in Claim 40, wherein said infusing step comprises:  
controlling said valve to selectively establish a third flow path therethrough between said second inlet port and said outlet port.

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42. A method as recited in Claim 41, further comprising:  
interconnecting a second flush solution source to a third inlet port of said valve;  
controlling said valve to selectively establish a fourth flow path therethrough between said third inlet port and said syringe;  
drawing a second flush solution from said second flush solution source into said syringe body; and

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flowing said second flush solution from said syringe through said vascular catheter to a patient.